

Converting Colors

$Y_{xy}(22.9960, 0.1902, 0.1297)$

Have a look what the booklet for
Yxy(22.9960, 0.1902, 0.1297)
contains.

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Color

Yxy(21.3149, 0.1984, 0.1442)

Conversions

Conversions Part 1

Format	Color
Hex	686EFF
RGB	104, 110, 255
RGB Percent	41%, 43%, 100%
CMY	0.5925, 0.5685, 0.0000
CMYK	0.59, 0.57, 0.00, 0.00
HSL	238°, 100%, 70%
HSV	238°, 59%, 100%
XYZ	29.3265, 21.3149, 97.1735
YIQ	124.7360, -50.1210, 43.8230

Conversions

Conversions Part 2

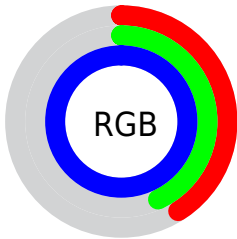
Format	Color
RYB	104, 110, 255
Decimal	6844159
CIELab	53.29, 39.19, -73.09
CIELCh	53, 82.932, 298.201
Yxy	21.3149, 0.1984, 0.1442
Android (android.graphics.Color)	4285034239 (0xFF686EFF)
YUV	124.7360, 64.2202, -18.1855
Hunter-Lab	46.1681, 32.5911, -92.4746

Details

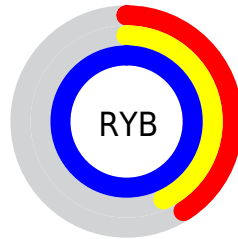
The Yxy color **21.3149, 0.1984, 0.1442** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **89.9381, 0.4002, 0.4639**, and the grayscale version is **20.2048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2762, 0.2491, 0.2192**, and **7.6252, 0.1648, 0.1039** is the 20% darker color. If you saturate the color by 10%, you get **15.4425, 0.1799, 0.1133**, and if you desaturate by 10%, it is **29.1069, 0.2191, 0.1783**.

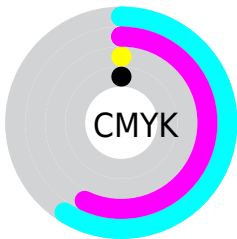
Distribution



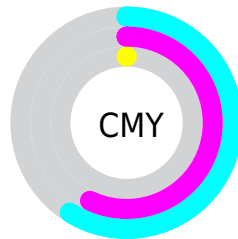
- Red (41%)
- Green (43%)
- Blue (100%)



- Red (41%)
- Yellow (43%)
- Blue (100%)



- Cyan (59%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)





- Cyan (59%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3149, 0.1984, 0.1442 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 21.3149, 0.1984, 0.1442 by changing the saturation by 10% instead.


 21.3149, 0.1984,
0.1442


 21.3149, 0.1984,
0.1442


258.9473, 0.2591,
0.2308


 13.3544, 0.1834,
0.1258


 45.6110, 0.2206,
0.1735


 7.6730, 0.1648,
0.1043


 62.7154, 0.2289,
0.1852

 3.8864, 0.1413,
0.0796


 83.6366, 0.2360,
0.1954

 1.6102, 0.1120,
0.0524

 108.7589, 0.2420,
0.2043

 0.3645, 0.0768,
0.0201

138.4667, 0.2472,
0.2121

 0.0000, 0.0254,
0.0000

173.1444, 0.2517,

 0.0000, 0.0000,

0.2191

0.0000

213.1765, 0.2556,
0.2252

■ 21.3149, 0.1984,
0.1442

■ 21.3149, 0.1984,
0.1442

■ 15.4425, 0.1799,
0.1133

■ 29.1069, 0.2191,
0.1783

■ 11.3216, 0.1653,
0.0883

■ 38.9637, 0.2405,
0.2132

■ 8.7583, 0.1555,
0.0711

■ 51.0183, 0.2613,
0.2469

■ 7.4989, 0.1507,
0.0621

■ 65.3923, 0.2807,
0.2781

■ 7.4437, 0.1505,
0.0617

■ 82.1984, 0.2983,
0.3061

99.9998, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



21.3149, 0.1283, 0.1386



21.3149, 0.1984, 0.1442



21.3149, 0.3223, 0.1796

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



21.3149, 0.1984, 0.1442



21.3149, 0.5711, 0.3989



21.3149, 0.1507, 0.4206

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



21.3149, 0.1984, 0.1442



89.9381, 0.4002, 0.4639

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



21.3149, 0.2491, 0.5877



21.3149, 0.1984, 0.1442



21.3149, 0.4865, 0.4987

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



21.3149, 0.1984, 0.1442



21.3149, 0.5794, 0.3161



21.3149, 0.3695, 0.5928



21.3149, 0.1034, 0.2525

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



21.3149, 0.1984, 0.1442



21.3149, 0.4272, 0.2185



21.3149, 0.3695, 0.5928



21.3149, 0.1786, 0.4866

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



21.3155, 0.1984, 0.1442



67.3569, 0.2830, 0.2818



81.1991, 0.2425, 0.3377



13.4504, 0.2776, 0.2731



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.3155, 0.1984, 0.1442



14.5995, 0.1771, 0.1085



25.8631, 0.2448, 0.1583



17.4955, 0.2978, 0.3054



3.9405, 0.1507, 0.0624



0.4233, 0.1523, 0.0681

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



32.2695, 0.4916, 0.3238



26.7491, 0.5473, 0.3240



83.0822, 0.3500, 0.4950



17.9990, 0.3288, 0.3281



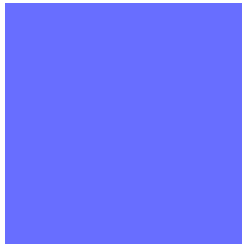
11.1258, 0.6360, 0.3277



1.0873, 0.6264, 0.3224

Previews

White Background



This preview shows how the Yxy color 21.3149, 0.1984, 0.1442 looks on a white background.

Color Contrast Check

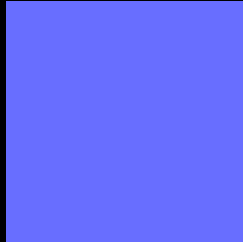
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 21.3149, 0.1984, 0.1442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

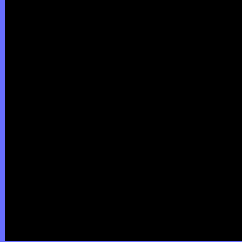
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.3149, 0.1984, 0.1442

Background



This preview shows how black text looks on a background with the Yxy color 21.3149, 0.1984, 0.1442.

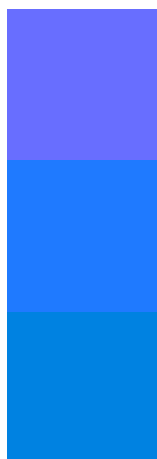


This preview shows how white text looks on a background with the Yxy color 21.3149, 0.1984, 0.1442.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

21.3149, 0.1984, 0.1442

Protanopia

21.4304, 0.1771, 0.1484

Deuteranopia

21.4015, 0.1841, 0.1826



Tritanopia

21.2167, 0.2345, 0.3071

Trichromacy



Original Color

21.3149, 0.1984, 0.1442

Protanomaly

21.0764, 0.1816, 0.1457

Deuteranomaly

20.6341, 0.1830, 0.1640

Tritanomaly

20.5250, 0.2164, 0.2264

Monochromacy



Original Color

21.3149, 0.1984, 0.1442

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.1934, 0.2575, 0.2419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3149, 0.1984, 0.1442 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(104, 110, 255)` looks like.

```
.text, #text, p{  
    color:rgb(104, 110, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(104, 110, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 110, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.3149, 0.1984, 0.1442 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(104, 110, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(104, 110, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(104, 110, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 110, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 110, 255);  
box-shadow:4px 4px 4px 4px rgb(104, 110,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3149, 0.1984, 0.1442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 110, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(104,  
110, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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